

WEST

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DERWENT-ACC-NO: 1994-050159

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TITLE: Removable fitments for supporting interior shelves of refrigerator - have front and rear fitments which locate in cavities in cabinet sidewalls and are moulded to provide stable play-free assembly

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PRIORITY-DATA: 1992DE-4226603 (August 11, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2110020 T3	February 1, 1998	N/A	000	F25D023/06
EP 582780 A1	February 16, 1994	G	008	F25D023/06
DE 4226603 A1	February 17, 1994	N/A	008	A47B096/14
EP 582780 B1	October 1, 1997	G	009	F25D023/06
DE 59307455 G	November 6, 1997	N/A	000	F25D023/06

DESIGNATED-STATES: DE ES FR GB IT SE DE ES FR GB IT SE

CITED-DOCUMENTS: DE 1014391; DE 1962946 ; DE 8535333 ; FR 1580374 ; FR 2297589 ; GB 1540224 ; US 1918457 ; US 2308330 ; US 4646998 ; US 4732358 ; US 4735325 ; US 4819901 ; US 4909465

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
ES 2110020T3	April 22, 1993	1993EP-0106621	N/A
ES 2110020T3		EP 582780	Based on
EP 582780A1	April 22, 1993	1993EP-0106621	N/A
DE 4226603A1	August 11, 1992	1992DE-4226603	N/A
EP 582780B1	April 22, 1993	1993EP-0106621	N/A
DE59307455G	April 22, 1993	1993DE-0507455	N/A
DE59307455G	April 22, 1993	1993EP-0106621	N/A
DE59307455G		EP 582780	Based on

INT-CL (IPC): A47B 96/06; A47B 96/14; F25D 23/06; F25D 25/00; F25D 25/02

ABSTRACTED-PUB-NO: EP 582780A

BASIC-ABSTRACT:

The interior of a refrigerator cabinet is moulded with oval cavities on each interior sidewall to receive the removable carrier fitments (20,40) which provide

support for the withdrawable shelves (50).

The front fitments (20) comprise the oval spigots (21) which are a push fit to the cavities, an approx. T-section (22,25,26) whose central horizontal leg (22) supports the shelf frame (52) and the flexible tongues (27,29,30) which exert sideways and downwards pressure to take up moulding tolerances and centre the shelf (50) on insertion. The rear fitments (40) are of extended U-section (41,42,43,44) opposite the spigot (21) to assist horizontal shelf (50) withdrawal and the projection (45) minimises vibration after full shelf (50) insertion.

USE/ADVANTAGE - Provides stable location for each shelf, free from constructional play to minimise e.g. pump vibration noise. Construction permits range of choice for positioning shelves by providing additional cavities at differing heights.
ABSTRACTED-PUB-NO:

EP 582780B

EQUIVALENT-ABSTRACTS:

Furniture item or cooling cabinet (10) with storage surfaces (50), which are arranged in its interior chamber and supported at their rims (52) by carrier parts (20), the supporting portions (23) of which retain the storage surfaces (50) shape-lockingly by reason of their weight and against their direction of insertion into the interior chamber, characterised thereby, that the carrier parts (20) are provided at the side walls (13) of the interior chamber and the supporting portions (23) engage shape-lockingly into recesses (53) arranged at the underside of the storage surfaces (50) and that means (27) are provided, which exert an additional force, which enhances the shape-locking connection and secures it force-lockingly, on the storage surfaces (50) in the region of the carrier parts (20).

CHOSEN-DRAWING: Dwg.2/4 Dwg.1/4

TITLE-TERMS: REMOVE FIT SUPPORT INTERIOR SHELF REFRIGERATE FRONT REAR FIT LOCATE CAVITY CABINET SIDEWALL MOULD STABILISED PLAY FREE ASSEMBLE

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